## GROUP 5 - BRAKES

| Specifications | C300K with Firepower 390 Engine | C300K with Firepower 360 Engine |
|---|---|---|
| Car Application | | |
| Piston Displacement | 413 | 413 |
| Type | Duo-Servo Single Anchor | Duo-Servo Single Anchor |
| Drum Diameter | 11 in. | 11 in. |
| Number of Brake Shoes | 8 | 8 |
| Width | | |
| Front | 3 in. | 3 in. |
| Rear | 3 in. | 2 1/2 in. |
| Brake Lining | Bonded Moulded Asbestos | Bonded Moulded Asbestos |
| Length & Color Code Markings | | |
| Front Primary | 9 1/4" 3 black marks | 12 1/8" 1 Black and 1 orange mark |
| Front Secondary | 12 1/8" 2 black and 1 white mark | 12 1/8" 2 red marks |
| Rear Primary | 9 1/4" 3 black marks | 12 1/8" 1 black and 1 orange mark |
| Rear Secondary | 12 1/8" 2 black and 1 white mark | 12 1/8" 2 red marks |
| Thickness | 3/16 in. | 3/16 in. |
| Wheel Cylinders | | |
| Front Wheel Cylinder Bore | 1 1/8 in. | 1 1/8 in. |
| Rear Wheel Cylinder Bore | 15/16 in. | 15/16 in. |
| Master Cylinder Bore | 1 in. | 1 in. |

Eleven inch Duo-Servo brakes are used in the 300K. The brakes are the self energizing type and a self adjusting mechanism is built into each wheel brake unit, therefore, the brakes need not be serviced to take up wear in the linings. The self adjusting mechanism consists of a cable and linkage device which indexes the star wheel, (Fig. 2) increasing the length of the floating link to maintain the correct shoe-to-drum clearance. The adjuster is designed so that it operates only during reverse stops.

### Rear Wheel Parking Brakes

The parking brake system operates on the rear wheel brakes (Fig. 3). A foot pedal mechanism is used to apply the parking brake. The brake is released by a pull-out type knob mounted on the instrument panel.

## Remote Power Brake

The remote power brake system for the 300K Models is mounted on brackets under the left front fender, just back of the headlamp housing (Fig. 4). The use of the remote power brake unit enables a low brake pedal height, reduced pedal travel and decreased pedal application effort.

## Remote Power Brake Bleeding Procedures

With the engine shut off, exhaust all of the vacuum from the brake booster by applying the pedal several times. Make certain that the master cylinder is full of fluid before starting the bleeding procedure.

(1) Attach the bleeder tank C-3496 to the master cylinder.

CAUTION: Do not apply more than 25 psi to the bleeder tank.

(2) Open the inlet bleeder screw of the booster (closest to the master cylinder) (Fig. 4), and permit the fluid to run until free of air bubbles.

(3) Open the outlet bleeder screw (Fig. 4) and allow the fluid to run until free of bubbles.

(4) Bleed the wheel brake cylinders in the following sequence: Left front, right rear, right front and left rear. Repeat if necessary and inspect for leaks.

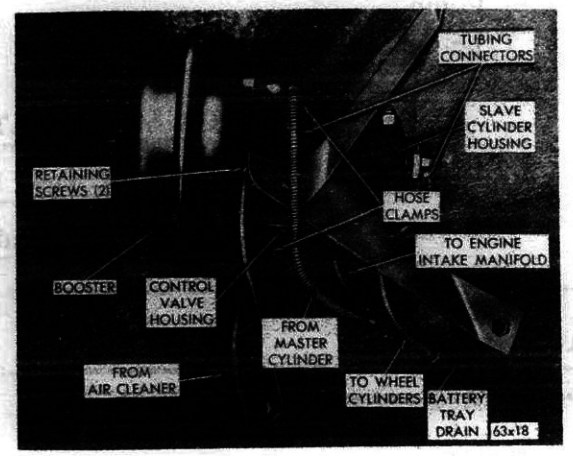


Fig. 4 - Remote Power Brake